

10/535635

<110> INCYTE CORPORATION; TRAN, Uyen K.;
 RICHARDSON, Thomas W.; BECHA, Shanya D.;
 ELLIOTT, Vicki S.; SWARNAKAR, Anita;
 LEE, Soo Yeun; RAMKUMAR, Jayalaxmi;
 WANG, Jonathan T.; CHIEN, David;
 MURAGE, Jaji; GERA, Mili;
 MARQUIS, Joseph P.; CHAWLA, Narinder K.;
 NAKAMURA, Lisa; KABLE, Amy E.

<120> IMMUNE RESPONSE-ASSOCIATED PROTEINS

<130> PF-1629 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/429,442

<151> 2002-11-26

<150> US 60/429,839

<151> 2002-11-27

<150> US 60/439,946

<151> 2003-01-13

<150> US 60/446,182

<151> 2003-02-07

<160> 64

<170> PERL Program

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<211> 256

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7522043CD1

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Gln	Leu	Thr	Gly	Ser	Ala	Ala	Ser	Gly	Pro	Val	Lys	Glu	Leu	Val
				20					25					30
Gly	Ser	Val	Gly	Gly	Ala	Val	Thr	Phe	Pro	Leu	Lys	Ser	Lys	Val
				35					40					45
Lys	Gln	Val	Asp	Ser	Ile	Val	Trp	Thr	Phe	Asn	Thr	Thr	Pro	Leu
				50					55					60
Val	Thr	Ile	Gln	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Val	Thr	Gln	Asn
				65					70					75
Arg	Asn	Arg	Glu	Arg	Val	Asp	Phe	Pro	Asp	Gly	Gly	Tyr	Ser	Leu
				80					85					90
Lys	Leu	Ser	Lys	Leu	Lys	Lys	Asn	Asp	Ser	Gly	Ile	Tyr	Tyr	Val
				95					100					105
Gly	Ile	Tyr	Ser	Ser	Ser	Leu	Gln	Gln	Pro	Ser	Thr	Gln	Glu	Tyr
				110					115					120
Val	Leu	His	Val	Thr	Glu	His	Leu	Ser	Lys	Pro	Lys	Val	Thr	Met
				125					130					135
Gly	Leu	Gln	Ser	Asn	Lys	Asn	Gly	Thr	Cys	Val	Thr	Asn	Leu	Thr
				140					145					150
Cys	Cys	Met	Glu	His	Gly	Glu	Glu	Asp	Val	Ile	Tyr	Thr	Trp	Lys
				155					160					165

Ala	Leu	Gly	Gln	Ala	Ala	Asn	Glu	Ser	His	Asn	Gly	Ser	Ile	Leu
				170					175					180
Pro	Ile	Ser	Trp	Arg	Trp	Gly	Glu	Ser	Asp	Met	Thr	Phe	Ile	Cys
				185					190					195
Val	Ala	Arg	Asn	Pro	Val	Ser	Arg	Asn	Phe	Ser	Ser	Pro	Ile	Leu
				200					205					210
Ala	Arg	Lys	Leu	Cys	Glu	Glu	Asn	Asn	Pro	Lys	Gly	Arg	Ser	Ser
				215					220					225
Lys	Tyr	Gly	Leu	Leu	His	Cys	Gly	Asn	Thr	Glu	Lys	Asp	Gly	Lys
				230					235					240
Ser	Pro	Leu	Thr	Ala	His	Asp	Ala	Arg	His	Thr	Lys	Ala	Ile	Cys
				245					250					255

Leu

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<223> Incyte ID No: 7523539CD1

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Ala	Ser	Leu	Met	Val	Leu	Val	Ala	Ile	Gly	Thr	Ala	Val	Thr	Ala
				20					25					30
Ala	Val	Asn	Pro	Gly	Val	Val	Val	Arg	Ile	Ser	Gln	Lys	Gly	Leu
				35					40					45
Asp	Tyr	Ala	Ser	Gln	Gln	Gly	Thr	Ala	Ala	Leu	Gln	Lys	Glu	Leu
				50					55					60
Lys	Arg	Ile	Lys	Ile	Pro	Asp	Tyr	Ser	Asp	Ser	Phe	Lys	Ile	Lys
				65					70					75
His	Leu	Gly	Lys	Gly	His	Tyr	Ser	Phe	Tyr	Ser	Met	Asp	Ile	Arg
				80					85					90
Glu	Phe	Gln	Leu	Pro	Ser	Ser	Gln	Ile	Ser	Met	Val	Pro	Asn	Val
				95					100					105
Gly	Leu	Lys	Phe	Ser	Ile	Ser	Asn	Ala	Asn	Ile	Lys	Ile	Ser	Gly
				110					115					120
Lys	Trp	Lys	Ala	Gln	Lys	Arg	Phe	Leu	Trp	Leu	Ile	Gln	Leu	Phe
				125					130					135
His	Lys	Lys	Ile	Glu	Ser	Ala	Leu	Arg	Asn	Lys	Met	Asn	Ser	Gln
				140					145					150
Val	Cys	Glu	Lys	Val	Thr	Asn	Ser	Val	Ser	Ser	Lys	Leu	Gln	Pro
				155					160					165
Tyr	Phe	Gln	Thr	Leu	Pro	Val	Met	Thr	Lys	Ile	Asp	Ser	Val	Ala
				170					175					180
Gly	Ile	Asn	Tyr	Gly	Leu	Val	Ala	Pro	Pro	Ala	Thr	Thr	Ala	Glu
				185					190					195
Thr	Leu	Asp	Val	Gln	Met	Lys	Gly	Glu	Phe	Tyr	Ser	Glu	Asn	His
				200					205					210
His	Asn	Pro	Pro	Pro	Phe	Ala	Pro	Pro	Val	Met	Glu	Phe	Pro	Ala
				215					220					225
Ala	His	Asp	Arg	Met	Val	Tyr	Leu	Gly	Leu	Ser	Asp	Tyr	Phe	Phe
				230					235					240
Asn	Thr	Ala	Gly	Leu	Val	Tyr	Gln	Glu	Ala	Gly	Val	Leu	Lys	Met
				245					250					255
Thr	Leu	Arg	Asp	Asp	Met	Ile	Pro	Lys	Glu	Ser	Lys	Phe	Arg	Leu
				260					265					270
Thr	Thr	Lys	Phe	Phe	Gly	Thr	Phe	Leu	Pro	Glu	Val	Ala	Lys	Lys
				275					280					285

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Phe Pro Asn Met Lys Ile Gln Ile His Val Ser Ala Ser Thr Pro
290 295 300
Pro His Leu Ser Val Gln Pro Thr Gly Leu Thr Phe Tyr Pro Ala
305 310 315
Val Asp Val Gln Ala Phe Ala Val Leu Pro Asn Ser Ser Leu Ala
320 325 330
Ser Leu Phe Leu Ile Gly Met His Thr Thr Gly Ser Met Glu Val
335 340 345
Ser Ala Glu Ser Asn Arg Leu Val Gly Glu Leu Lys Leu Asp Arg
350 355 360
Leu Leu Leu Glu Leu Lys His Ser Asn Ile Gly Pro Phe Pro Val
365 370 375
Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val Pro Ile Leu Val
380 385 390
Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe Pro Leu Pro
395 400 405
Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln Pro His
410 415 420
Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys
425 430

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<210> 3

<211> 142

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 7523587CD1

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Met Arg Thr Leu Leu Thr Ile Leu Thr Val Gly Ser Leu Ala Ala
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His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
20 25 30
Gln Ser Ser Asn Phe Glu Asn Ile Leu Thr Trp Asp Ser Gly Pro
35 40 45
Glu Gly Thr Pro Asp Thr Val Tyr Ser Ile Glu Tyr Lys Thr Tyr
50 55 60
Gly Glu Arg Asp Trp Val Ala Lys Lys Gly Cys Gln Arg Ile Thr
65 70 75
Arg Lys Ser Cys Asn Leu Thr Val Glu Thr Gly Asn Leu Thr Glu
80 85 90
Leu Tyr Tyr Ala Arg Val Thr Ala Val Ser Ala Gly Gly Arg Ser
95 100 105
Ala Thr Lys Met Thr Asp Arg Phe Ser Ser Leu Gln His Arg Arg
110 115 120
Arg Pro Thr Ala Phe Ile Thr Phe Ser Lys Glu Ser Val Asn Gln
125 130 135
Gln Ser Tyr Pro Gln Ala Thr
140

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<210> 4

<211> 450

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 7523622CD1

<400> 4

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Met Arg Glu Asn Met Ala Arg Gly Pro Cys Asn Thr Pro Arg Trp

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Val Ser Leu Met	Val Leu Val Ala Ile Gly Thr Ala Val Thr Ala		
	20	25	30
Ala Val Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu			
	35	40	45
Asp Tyr Ala Ser Gln Gln Gly Thr Ala Ala Leu Gln Lys Glu Leu			
	50	55	60
Lys Arg Ile Lys Ile Pro Asp Tyr Ser Asp Ser Phe Lys Ile Lys			
	65	70	75
His Leu Gly Lys Gly His Tyr Ser Phe Tyr Ser Met Asp Ile Arg			
	80	85	90
Glu Phe Gln Leu Pro Ser Ser Gln Ile Ser Met Val Pro Asn Val			
	95	100	105
Gly Leu Lys Phe Ser Ile Ser Asn Ala Asn Ile Lys Ile Ser Gly			
	110	115	120
Lys Trp Lys Ala Gln Lys Arg Phe Leu Lys Met Ser Gly Asn Phe			
	125	130	135
Asp Leu Ser Ile Glu Gly Met Ser Ile Ser Ala Asp Leu Lys Leu			
	140	145	150
Gly Ser Asn Pro Thr Ser Gly Lys Pro Thr Ile Thr Cys Ser Ser			
	155	160	165
Cys Ser Ser His Ile Asn Ser Val His Val His Ile Ser Lys Ser			
	170	175	180
Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys Ile Glu Ser			
	185	190	195
Ala Leu Arg Asn Lys Met Asn Ser Gln Val Cys Glu Glu Val Thr			
	200	205	210
Asn Ser Val Ser Ser Glu Leu Gln Pro Tyr Phe Gln Thr Leu Pro			
	215	220	225
Val Met Thr Lys Ile Asp Ser Val Ala Gly Ile Asn Tyr Gly Leu			
	230	235	240
Val Ala Pro Pro Ala Thr Thr Ala Glu Thr Leu Asp Val Gln Met			
	245	250	255
Lys Gly Glu Phe Tyr Ser Glu Asn His His Asn Pro Pro Pro Phe			
	260	265	270
Ala Pro Pro Val Met Glu Phe Pro Ala Ala His Asp Arg Met Val			
	275	280	285
Tyr Leu Gly Leu Ser Asp Tyr Phe Phe Asn Thr Ala Gly Leu Val			
	290	295	300
Tyr Gln Glu Ala Gly Val Leu Lys Met Thr Leu Arg Asp Asp Met			
	305	310	315
Ile Pro Lys Glu Ser Lys Phe Arg Leu Thr Thr Lys Phe Phe Gly			
	320	325	330
Thr Phe Leu Pro Glu Val Ala Lys Lys Phe Pro Asn Met Lys Ile			
	335	340	345
Gln Ile His Val Ser Ala Ser Thr Pro Pro His Leu Ser Val Gln			
	350	355	360
Pro Thr Gly Leu Thr Phe Tyr Pro Ala Val Asp Val Gln Ala Phe			
	365	370	375
Ala Val Leu Pro Asn Ser Ser Leu Ala Ser Leu Phe Leu Ile Gly			
	380	385	390
Met Val Glu Leu Leu Gln Asp Ile Met Asn Tyr Ile Val Pro Ile			
	395	400	405
Leu Val Leu Pro Arg Val Asn Glu Lys Leu Gln Lys Gly Phe Pro			
	410	415	420
Leu Pro Thr Pro Ala Arg Val Gln Leu Tyr Asn Val Val Leu Gln			
	425	430	435
Pro His Gln Asn Phe Leu Leu Phe Gly Ala Asp Val Val Tyr Lys			
	440	445	450

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 Met Arg Thr Leu Leu Thr Ile Leu Thr Val Gly Ser Leu Ala Ala
 1 5 10 15
 His Ala Pro Glu Asp Pro Ser Asp Leu Leu Gln His Val Lys Phe
 20 25 30
 Gln Ser Ser Asn Phe Glu Asn Ile Leu Thr Trp Asp Ser Gly Pro
 35 40 45
 Glu Gly Thr Pro Asp Thr Val Tyr Ser Ile Glu Tyr Lys Thr Lys
 50 55 60
 Lys Thr His Ser Ile His His Ile Leu Lys Gly Val Cys Lys Pro
 65 70 75
 Ala Lys Leu Pro Ser Ser His Leu Met
 80

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 Met Arg Gly Gly Arg Gly Ala Pro Phe Trp Leu Trp Pro Leu Pro
 1 5 10 15
 Lys Leu Ala Leu Leu Pro Leu Leu Trp Val Leu Phe Gln Arg Thr
 20 25 30
 Arg Pro Gln Gly Ser Ala Gly Pro Leu Gln Cys Tyr Gly Val Gly
 35 40 45
 Pro Leu Gly Asp Leu Asn Cys Ser Trp Glu Pro Leu Gly Asp Leu
 50 55 60
 Gly Ala Pro Ser Glu Leu His Leu Gln Ser Gln Lys Tyr Glu Ala
 65 70 75
 Lys Arg Pro Pro Ala Gly Pro
 80

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 Met Ile Thr Glu Gly Ala Gln Ala Pro Arg Leu Leu Leu Pro Pro
 1 5 10 15
 Leu Leu Leu Leu Leu Thr Leu Pro Ala Thr Gly Ser Asp Pro Val
 20 25 30
 Leu Cys Phe Thr Gln Tyr Glu Glu Ser Ser Gly Lys Cys Lys Gly
 35 40 45
 Leu Leu Gly Gly Gly Val Ser Val Glu Asp Cys Cys Leu Asn Thr
 50 55 60
 Ala Phe Ala Tyr Gln Lys Arg Ser Gly Gly Leu Cys Gln Pro Cys

				65					70					75
Ser	Pro	Tyr	Leu	Cys	Leu	Leu	Arg	Thr	Trp	Cys	Trp	Pro	Cys	Gln
				80					85					90
Pro	Ser	Asn	Gly	Asn	Ser	Arg	Cys	Leu	Ile	Val	Lys	Val	Pro	Thr
				95					100					105
Met	Val	Pro	Val	Val	His	Met	Gly	Pro	Leu	Phe	Gly	Asp	Val	Leu
				110					115					120

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Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
				20					25					30
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
				35					40					45
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
				50					55					60
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
				65					70					75
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
				80					85					90
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
				95					100					105
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
				110					115					120
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Glu
				125					130					135
Met	Gly	Gly	Trp	Ser	Gly	Trp	Gly	Pro	Trp	Glu	Pro	Cys	Ser	Val
				140					145					150
Thr	Cys	Ser	Lys	Gly	Thr	Arg	Thr	Arg	Arg	Arg	Ala	Cys	Asn	His
				155					160					165
Pro	Ala	Pro	Lys	Cys	Gly	Ala	His	Cys	Pro	Gly	Gln	Ala	Gln	Glu
				170					175					180
Ser	Glu	Ala	Cys	Asp	Thr	Gln	Gln	Val	Cys	Pro	Thr	His	Gly	Ala
				185					190					195
Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala	Ser	Cys	His
				200					205					210
Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg	Lys	Cys	Ser
				215					220					225
Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro	Cys	Pro	Gly
				230					235					240
Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro	Pro	Cys	Pro
				245					250					255
Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	Pro	Cys	Ile
				260					265					270
Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	Pro	Gly	Gln
				275					280					285
Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	Asp	Gly	His
				290					295					300
Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	Tyr	Ser	Ile
				305					310					315
Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	Ser	Thr	Trp
				320					325					330

Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr	Arg	Ala	Arg	
				335					340					345	
Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro	Pro	Thr	Val	
				350					355					360	
Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr	Phe	Trp	Gly	
				365					370					375	
Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln	Lys	Leu	Val	
				380					385					390	
Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala	Cys	Lys	Glu	
				395					400					405	
Pro	Glu	Glu	Glu	Glu	Leu										
				410											

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Val	Val	Cys	Leu	Leu	His	Cys	Phe	Gly	Phe	Ile	Ser	Cys	Phe	Ser	
				20					25					30	
Gln	Gln	Ile	Tyr	Gly	Val	Val	Tyr	Gly	Asn	Val	Thr	Phe	His	Val	
				35					40					45	
Pro	Ser	Asn	Val	Pro	Leu	Lys	Glu	Val	Leu	Trp	Lys	Lys	Gln	Lys	
				50					55					60	
Asp	Lys	Val	Ala	Glu	Leu	Glu	Asn	Ser	Glu	Phe	Arg	Ala	Phe	Ser	
				65					70					75	
Ser	Phe	Lys	Asn	Arg	Val	Tyr	Leu	Asp	Thr	Val	Ser	Gly	Ser	Leu	
				80					85					90	
Thr	Ile	Tyr	Asn	Leu	Thr	Ser	Ser	Asp	Glu	Asp	Glu	Tyr	Glu	Met	
				95					100					105	
Glu	Ser	Pro	Asn	Ile	Thr	Asp	Thr	Met	Lys	Phe	Phe	Leu	Tyr	Val	
				110					115					120	
Leu	Glu	Ser	Leu	Pro	Ser	Pro	Thr	Leu	Thr	Cys	Ala	Leu	Thr	Asn	
				125					130					135	
Gly	Ser	Ile	Glu	Val	Gln	Cys	Met	Ile	Pro	Glu	His	Tyr	Asn	Ser	
				140					145					150	
His	Arg	Gly	Leu	Ile	Met	Tyr	Ser	Trp	Asp	Cys	Pro	Met	Glu	Gln	
				155					160					165	
Cys	Lys	Arg	His	Ser	Arg	His	Arg	Tyr	Ala	Leu	Ile	Pro	Ile	Pro	
				170					175					180	
Leu	Ala	Val	Ile	Thr	Thr	Cys	Ile	Val	Leu	Tyr	Met	Asn	Gly	Ile	
				185					190					195	
Leu	Lys	Cys	Asp	Arg	Lys	Pro	Asp	Arg	Thr	Asn	Ser	Asn			
				200					205						

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<400> 10
 Met Arg Phe Thr Phe Pro Leu Met Ala Ile Val Leu Glu Ile Ala

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Met Ile Val Leu Phe	Gly Leu Phe Val	Glu Tyr Glu Thr Asp	Gln
20	25	30	
Thr Val Leu Glu Gln	Leu Asn Ile Thr	Lys Pro Thr Asp Met	Gly
35	40	45	
Met Phe Phe Glu Leu	Tyr Pro Arg Leu		
50			

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Ala Thr Arg Thr Trp	Pro Cys Thr Leu Leu Phe Phe Leu Leu Phe
20	25 30
Ile Pro Val Phe Cys	Lys Ala Thr His Val Ala Gln Pro Ala Val
35	40 45
Val Leu Ala Ser Ser	Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr
50	55 60
Ala Ser Pro Gly Lys	Ala Thr Glu Val Arg Val Thr Val Leu Arg
65	70 75
Gln Ala Asp Ser Gln	Val Thr Glu Val Cys Ala Ala Thr Tyr Met
80	85 90
Met Gly Asn Glu Leu	Thr Phe Leu Asp Asp Ser Ile Cys Thr Gly
95	100 105
Thr Ser Ser Gly Asn	Gln Val Asn Leu Thr Ile Gln Gly Leu Arg
110	115 120
Ala Met Asp Thr Gly	Leu Tyr Ile Cys Lys Val Glu Leu Met Tyr
125	130 135
Pro Pro Pro Tyr Tyr	Leu Gly Ile Gly Asn Gly Thr Gln Ile Tyr
140	145 150
Val Ile Ala Lys Glu	Lys Lys Pro Ser Tyr Asn Arg Gly Leu Cys
155	160 165
Glu Asn Ala Pro Asn	Arg Ala Arg Met
170	

<210> 12
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Met Asp Thr Thr Arg	Tyr Ser Lys Trp Gly Gly Ser Ser Glu Glu
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Val Pro Gly Gly Pro	Trp Gly Arg Trp Val His Trp Ser Arg Arg
20	25 30
Pro Leu Phe Leu Ala	Leu Ala Val Leu Val Thr Thr Val Leu Trp
35	40 45
Ala Val Ile Leu Ser	Ile Leu Leu Ser Lys Gly Ser Gly Thr Gln
50	55 60
Ala Gln Leu Gln Thr	Thr Arg Ala Glu Leu Gly Glu Ala Gln Ala
65	70 75

Lys	Leu	Met	Glu	Gln	Glu	Ser	Ala	Leu	Arg	Glu	Leu	Arg	Glu	Arg	
				80					85					90	
Val	Thr	Gln	Gly	Leu	Ala	Glu	Ala	Gly	Arg	Gly	Arg	Glu	Asp	Val	
				95					100					105	
Arg	Thr	Glu	Leu	Phe	Arg	Ala	Leu	Glu	Ala	Val	Arg	Leu	Gln	Asn	
				110					115					120	
Asn	Ser	Cys	Glu	Pro	Cys	Pro	Thr	Ser	Trp	Leu	Ser	Phe	Glu	Gly	
				125					130					135	
Ser	Cys	Tyr	Phe	Phe	Ser	Val	Pro	Lys	Thr	Thr	Trp	Ala	Ala	Ala	
				140					145					150	
Gln	Asp	His	Cys	Ala	Asp	Ala	Ser	Ala	His	Leu	Val	Ile	Val	Gly	
				155					160					165	
Gly	Leu	Asp	Glu	Gln	Gly	Phe	Leu	Thr	Arg	Asn	Thr	Arg	Gly	Arg	
				170					175					180	
Gly	Tyr	Trp	Leu	Gly	Leu	Arg	Ala	Val	Arg	His	Leu	Gly	Lys	Val	
				185					190					195	
Gln	Gly	Tyr	Gln	Trp	Val	Asp	Gly	Val	Ser	Leu	Ser	Phe	Ser	His	
				200					205					210	
Trp	Asn	Gln	Gly	Glu	Pro	Asn	Asp	Ala	Trp	Gly	Arg	Glu	Asn	Cys	
				215					220					225	
Val	Met	Met	Leu	His	Thr	Gly	Leu	Trp	Asn	Asp	Ala	Pro	Cys	Asp	
				230					235					240	
Ser	Glu	Lys	Asp	Gly	Trp	Ile	Cys	Glu	Lys	Arg	His	Asn	Cys		
				245					250						

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<220>

<221> misc_feature

<223> Incyte ID No: 7521779CD1

<400> 13

Met	Ala	Phe	Val	Cys	Leu	Ala	Ile	Gly	Cys	Leu	Tyr	Thr	Phe	Leu	
1				5					10					15	
Ile	Ser	Thr	Thr	Phe	Gly	Cys	Thr	Ser	Ser	Ser	Asp	Thr	Glu	Ile	
				20					25					30	
Lys	Val	Asn	Pro	Pro	Gln	Asp	Phe	Glu	Ile	Val	Asp	Pro	Gly	Tyr	
				35					40					45	
Leu	Gly	Tyr	Leu	Tyr	Leu	Gln	Trp	Gln	Pro	Pro	Leu	Ser	Leu	Asp	
				50					55					60	
His	Phe	Lys	Glu	Cys	Thr	Val	Glu	Tyr	Glu	Leu	Lys	Tyr	Arg	Asn	
				65					70					75	
Ile	Gly	Ser	Glu	Thr	Trp	Lys	Thr	Ile	Ile	Thr	Lys	Asn	Leu	His	
				80					85					90	
Tyr	Lys	Asp	Gly	Phe	Asp	Leu	Asn	Lys	Gly	Ile	Glu	Ala	Lys	Ile	
				95					100					105	
His	Thr	Leu	Leu	Pro	Trp	Gln	Cys	Thr	Asn	Gly	Ser	Glu	Val	Gln	
				110					115					120	
Ser	Ser	Trp	Ala	Glu	Thr	Thr	Tyr	Trp	Ile	Ser	Pro	Gln	Gly	Ile	
				125					130					135	
Pro	Glu	Thr	Lys	Val	Gln	Asp	Met	Asp	Cys	Val	Tyr	Tyr	Asn	Trp	
				140					145					150	
Gln	Tyr	Leu	Leu	Cys	Ser	Trp	Lys	Pro	Gly	Ile	Gly	Val	Leu	Leu	
				155					160					165	
Asp	Thr	Asn	Tyr	Asn	Leu	Phe	Tyr	Trp	Tyr	Glu	Gly	Leu	Asp	His	
				170					175					180	
Ala	Leu	Gln	Cys	Val	Asp	Tyr	Ile	Lys	Ala	Asp	Gly	Gln	Asn	Ile	
				185					190					195	
Gly	Cys	Arg	Phe	Pro	Tyr	Leu	Glu	Ala	Ser	Asp	Tyr	Lys	Asp	Phe	
				200					205					210	

Tyr	Ile	Cys	Val	Asn	Gly	Ser	Ser	Glu	Asn	Lys	Pro	Ile	Arg	Ser	
				215					220					225	
Ser	Tyr	Phe	Thr	Phe	Gln	Leu	Gln	Asn	Ile	Val	Lys	Pro	Leu	Pro	
				230					235					240	
Pro	Val	Tyr	Leu	Thr	Phe	Thr	Arg	Glu	Ser	Ser	Cys	Glu	Ile	Lys	
				245					250					255	
Leu	Lys	Trp	Ser	Ile	Pro	Leu	Gly	Pro	Ile	Pro	Ala	Arg	Cys	Phe	
				260					265					270	
Asp	Tyr	Glu	Ile	Glu	Ile	Arg	Glu	Asp	Asp	Thr	Thr	Leu	Val	Val	
				275					280					285	
Lys	Thr	Tyr	Arg	Arg	Lys	Leu	Cys	Tyr	Val	Ser	Gly	Tyr	His	Leu	
				290					295					300	
Val	Ser	Ser													

<210> 14
 <211> 224
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521826CD1

Met	Asp	Tyr	Pro	Thr	Leu	Leu	Leu	Ala	Leu	Leu	His	Val	Tyr	Arg	
1				5					10					15	
Asp	Ser	Phe	Glu	Ala	Ala	Val	Pro	Ser	Asn	Ser	His	Ile	Val	Ser	
				20					25					30	
Glu	Pro	Gly	Lys	Asn	Val	Thr	Leu	Thr	Cys	Gln	Pro	Gln	Met	Thr	
				35					40					45	
Trp	Pro	Val	Gln	Ala	Val	Arg	Trp	Glu	Lys	Ile	Gln	Pro	Arg	Gln	
				50					55					60	
Ile	Asp	Leu	Leu	Thr	Tyr	Cys	Asn	Leu	Val	His	Gly	Arg	Asn	Phe	
				65					70					75	
Thr	Ser	Lys	Phe	Pro	Arg	Gln	Ile	Val	Ser	Asn	Cys	Ser	His	Gly	
				80					85					90	
Arg	Trp	Ser	Val	Ile	Val	Ile	Pro	Asp	Val	Thr	Val	Ser	Asp	Ser	
				95					100					105	
Gly	Leu	Tyr	Arg	Cys	Tyr	Leu	Gln	Ala	Ser	Ala	Gly	Glu	Asn	Glu	
				110					115					120	
Thr	Phe	Val	Met	Arg	Leu	Thr	Val	Ala	Glu	Gly	Lys	Thr	Asp	Asn	
				125					130					135	
Gln	Tyr	Thr	Leu	Phe	Val	Ala	Gly	Gly	Thr	Val	Leu	Leu	Leu	Leu	
				140					145					150	
Phe	Val	Ile	Ser	Ile	Thr	Thr	Ile	Ile	Val	Ile	Phe	Leu	Asn	Arg	
				155					160					165	
Arg	Arg	Arg	Arg	Glu	Arg	Arg	Asp	Leu	Phe	Thr	Glu	Ser	Trp	Asp	
				170					175					180	
Thr	Gln	Lys	Ala	Pro	Asn	Asn	Tyr	Arg	Ser	Pro	Ile	Ser	Thr	Gly	
				185					190					195	
Gln	Pro	Thr	Asn	Gln	Ser	Met	Asp	Asp	Thr	Arg	Glu	Asp	Ile	Tyr	
				200					205					210	
Val	Asn	Tyr	Pro	Thr	Phe	Ser	Arg	Arg	Pro	Lys	Thr	Arg	Val		
				215					220						

<210> 15
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No: 7521901CD1

<400> 15

Met	Ala	Gly	Ser	Pro	Thr	Cys	Leu	Thr	Leu	Ile	Tyr	Ile	Leu	Trp	
1				5					10					15	
Gln	Leu	Thr	Gly	Ser	Ala	Ala	Ser	Gly	Pro	Val	Lys	Glu	Leu	Val	
				20					25					30	
Gly	Ser	Val	Gly	Gly	Ala	Val	Thr	Phe	Pro	Leu	Lys	Ser	Lys	Val	
				35					40					45	
Lys	Gln	Val	Asp	Ser	Ile	Val	Trp	Thr	Phe	Asn	Thr	Thr	Pro	Leu	
				50					55					60	
Val	Thr	Ile	Gln	Pro	Glu	Gly	Gly	Thr	Ile	Ile	Val	Thr	Gln	Asn	
				65					70					75	
Arg	Asn	Arg	Glu	Arg	Val	Asp	Phe	Pro	Asp	Gly	Gly	Tyr	Ser	Leu	
				80					85					90	
Lys	Leu	Ser	Lys	Leu	Lys	Lys	Asn	Asp	Ser	Gly	Ile	Tyr	Tyr	Val	
				95					100					105	
Gly	Ile	Tyr	Ser	Ser	Ser	Leu	Gln	Gln	Pro	Ser	Thr	Gln	Glu	Tyr	
				110					115					120	
Val	Leu	His	Val	Tyr	Glu	Asn	Asn	Pro	Lys	Gly	Arg	Ser	Ser	Lys	
				125					130					135	
Tyr	Gly	Leu	Leu	His	Cys	Gly	Asn	Thr	Glu	Lys	Asp	Gly	Lys	Ser	
				140					145					150	
Pro	Leu	Thr	Ala	His	Asp	Ala	Arg	His	Thr	Lys	Ala	Ile	Cys	Leu	
				155					160					165	

<210> 16

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522003CD1

<400> 16

Met	Ile	Phe	Leu	Leu	Leu	Met	Leu	Ser	Leu	Glu	Leu	Gln	Leu	Arg	
1				5					10					15	
Gln	Ile	Ala	Ala	Leu	Phe	Thr	Val	Thr	Val	Pro	Lys	Glu	Leu	Tyr	
				20					25					30	
Ile	Ile	Glu	His	Gly	Ser	Asn	Val	Thr	Leu	Glu	Cys	Asn	Phe	Asp	
				35					40					45	
Thr	Gly	Ser	His	Val	Asn	Leu	Gly	Ala	Ile	Thr	Ala	Ser	Leu	Gln	
				50					55					60	
Lys	Val	Glu	Asn	Asp	Thr	Ser	Pro	His	Arg	Glu	Arg	Ala	Thr	Leu	
				65					70					75	
Leu	Glu	Glu	Gln	Leu	Pro	Leu	Gly	Lys	Ala	Ser	Phe	His	Ile	Pro	
				80					85					90	
Gln	Val	Gln	Val	Arg	Asp	Glu	Gly	Gln	Tyr	Gln	Cys	Ile	Ile	Ile	
				95					100					105	
Tyr	Gly	Val	Ala	Trp	Asp	Tyr	Lys	Tyr	Leu	Thr	Leu	Lys	Val	Lys	
				110					115					120	
Ala	Ser	Tyr	Arg	Lys	Ile	Asn	Thr	His	Ile	Leu	Lys	Val	Pro	Glu	
				125					130					135	
Thr	Asp	Glu	Val	Glu	Leu	Thr	Cys	Gln	Ala	Thr	Gly	Tyr	Pro	Leu	
				140					145					150	
Ala	Glu	Val	Ser	Trp	Pro	Asn	Val	Ser	Val	Pro	Ala	Asn	Thr	Ser	
				155					160					165	
His	Ser	Arg	Thr	Pro	Glu	Gly	Leu	Tyr	Gln	Val	Thr	Ser	Val	Leu	
				170					175					180	
Arg	Leu	Lys	Pro	Pro	Pro	Gly	Arg	Asn	Phe	Ser	Cys	Val	Phe	Trp	
				185					190					195	

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Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp Leu Gln
      200      205      210
Asn Thr Thr Lys Arg Pro Val Thr Thr Thr Lys Arg Glu Val Asn
      215      220      225
Ser Ala Ile

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<210> 17
<211> 98
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7522014CD1

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<400> 17
Met Pro Glu Glu Gly Ser Gly Cys Ser Val Arg Arg Arg Pro Tyr
  1      5      10      15
Gly Cys Val Leu Arg Ala Ala Leu Val Pro Leu Val Ala Gly Leu
      20      25      30
Val Ile Cys Leu Val Val Cys Ile Gln Arg Phe Ala Gln Ala Gln
      35      40      45
Gln Gln Leu Pro Leu Glu Ser Leu Gly Asp Leu Ser Arg Thr Pro
      50      55      60
Gly Tyr Thr Gly Arg Gly Ala Gln His Trp Ala Ala Pro Ser Cys
      65      70      75
Met Asp Gln Ser Trp Thr Arg Gly Ser Tyr Val Ser Ile Val Met
      80      85      90
Ala Ser Thr Trp Tyr Thr Ser Arg
      95

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<210> 18
<211> 122
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7522038CD1

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<400> 18
Met Ser Pro His Leu Thr Ala Leu Leu Gly Leu Val Leu Cys Leu
  1      5      10      15
Ala Gln Thr Ile His Thr Gln Glu Glu Asp Leu Pro Arg Pro Ser
      20      25      30
Ile Ser Ala Glu Pro Gly Thr Val Ile Pro Leu Gly Ser His Val
      35      40      45
Thr Phe Val Cys Arg Gly Pro Val Gly Val Gln Thr Phe Arg Leu
      50      55      60
Glu Arg Glu Ser Arg Ser Thr Tyr Asn Asp Thr Glu Asp Val Ser
      65      70      75
Gln Ala Ser Pro Ser Glu Ser Glu Ala Arg Phe Arg Ile Asp Ser
      80      85      90
Lys Pro Leu Glu Ala Arg Thr Pro Arg Thr Gln Ser Pro Ala Pro
      95      100      105
Gln Leu Gly Leu Cys Gln Ala Leu Lys Pro Pro Asp Leu Met His
      110      115      120
His Glu

```

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<210> 19
<211> 60

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<212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523429CD1

<400> 19
 Met Ser Ser Ala Ala Arg Ser Arg Leu Thr Arg Ala Thr Arg Gln
 1 5 10 15
 Glu Met Leu Phe Leu Ala Leu Leu Leu Pro Val Val Val Ala
 20 25 30
 Phe Ala Arg Gly Glu Ser Arg Asn Gln Ala Gly Arg Ala Ser Ser
 35 40 45
 Gly Glu Gly Glu Ser Gly Lys Pro Trp Gly Trp Gly Gly Ile Leu
 50 55 60

<210> 20
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523941CD1

<400> 20
 Met Arg Gly Leu Gly Leu Trp Leu Leu Gly Ala Met Met Leu Pro
 1 5 10 15
 Ala Ile Ala Pro Ser Arg Pro Trp Ala Leu Met Glu Gln Tyr Glu
 20 25 30
 Val Val Leu Pro Arg Arg Leu Pro Gly Pro Arg Val Arg Arg Ala
 35 40 45
 Leu Pro Ser His Leu Gly Leu Arg Pro Glu Arg Val Ser Tyr Val
 50 55 60
 Leu Gly Ala Thr Gly His Asn Phe Thr Leu His Leu Arg Lys Asn
 65 70 75
 Arg Asp Leu Leu Gly Ser Gly Tyr Thr Glu Thr Tyr Thr Ala Ala
 80 85 90
 Asn Gly Ser Glu Val Thr Glu Gln Pro Arg Gly Gln Asp His Cys
 95 100 105
 Phe Tyr Gln Gly His Val Glu Gly Tyr Pro Asp Ser Ala Ala Ser
 110 115 120
 Leu Ser Thr Cys Ala Gly Leu Arg Trp Arg Gly Arg Thr Ala Arg
 125 130 135
 Arg Val Pro Gly

<210> 21
 <211> 213
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524607CD1

<400> 21
 Met Leu Gln Leu Trp Lys Leu Val Leu Leu Cys Gly Val Leu Thr
 1 5 10 15
 Gly Thr Ser Glu Ser Leu Leu Asp Asn Leu Gly Asn Asp Leu Ser
 20 25 30

```

Asn Val Val Asp Lys Leu Glu Pro Val Leu His Glu Gly Leu Glu
      35      40      45
Thr Val Asp Asn Thr Leu Lys Gly Ile Leu Glu Lys Leu Lys Val
      50      55      60
Asp Leu Gly Val Leu Gln Lys Ser Ser Ala Trp Gln Leu Ala Lys
      65      70      75
Gln Lys Ala Gln Glu Ala Glu Lys Leu Leu Asn Asn Val Ile Ser
      80      85      90
Lys Leu Leu Pro Thr Asn Thr Asp Ile Phe Gly Pro Ile Ile Gly
      95     100     105
Gln Ile Ile Asn Leu Lys Ala Ser Leu Asp Leu Leu Thr Ala Val
     110     115     120
Thr Ile Glu Thr Asp Pro Gln Thr His Gln Pro Val Ala Val Leu
     125     130     135
Gly Glu Cys Ala Ser Asp Pro Thr Ser Ile Ser Leu Ser Leu Leu
     140     145     150
Asp Lys His Ser Gln Ile Ile Asn Lys Phe Val Asn Ser Val Ile
     155     160     165
Asn Thr Leu Lys Ser Thr Val Ser Ser Leu Leu Gln Lys Glu Ile
     170     175     180
Cys Pro Leu Ile Arg Ile Phe Ile His Ser Leu Asp Val Asn Val
     185     190     195
Ile Gln Gln Val Val Asp Asn Pro Gln His Lys Thr Gln Leu Gln
     200     205     210
Thr Leu Ile

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<210> 22

<211> 474

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524690CD1

<400> 22

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Met Ser Ala Cys Arg Ser Phe Ala Val Ala Ile Cys Ile Leu Glu
  1      5      10      15
Ile Ser Ile Leu Thr Ala Gln Tyr Thr Thr Ser Tyr Asp Pro Glu
      20      25      30
Leu Thr Glu Ser Ser Gly Ser Ala Ser His Ile Asp Cys Arg Met
      35      40      45
Ser Pro Trp Ser Glu Trp Ser Gln Cys Asp Pro Cys Leu Arg Gln
      50      55      60
Met Phe Arg Ser Arg Ser Ile Glu Val Phe Gly Gln Phe Asn Gly
      65      70      75
Lys Arg Cys Thr Asp Ala Val Gly Asp Arg Arg Gln Cys Val Pro
      80      85      90
Thr Glu Pro Cys Glu Asp Ala Glu Asp Asp Cys Gly Asn Asp Phe
      95     100     105
Gln Cys Ser Thr Gly Arg Cys Ile Lys Met Arg Leu Arg Cys Asn
     110     115     120
Gly Asp Asn Asp Cys Gly Asp Phe Ser Asp Glu Asp Asp Cys Glu
     125     130     135
Ser Glu Pro Arg Pro Pro Cys Arg Asp Arg Val Val Glu Glu Ser
     140     145     150
Glu Leu Ala Arg Thr Ala Gly Tyr Gly Ile Asn Ile Leu Gly Met
     155     160     165
Asp Pro Leu Ser Thr Pro Phe Asp Asn Glu Phe Tyr Asn Gly Leu
     170     175     180
Cys Asn Arg Asp Arg Asp Gly Asn Thr Leu Thr Tyr Tyr Arg Arg
     185     190     195

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<400>	23														
Met	Tyr	Arg	Met	Gln	Leu	Leu	Ser	Cys	Ile	Ala	Leu	Ser	Leu	Ala	
1				5					10					15	
Leu	Val	Thr	Asn	Ser	Ala	Pro	Thr	Ser	Ser	Ser	Thr	Lys	Lys	Thr	
				20					25					30	
Gln	Leu	Gln	Leu	Glu	His	Leu	Leu	Leu	Asp	Leu	Gln	Met	Ile	Leu	
				35					40					45	
Asn	Gly	Ile	Asn	Ala	Thr	Glu	Leu	Lys	His	Leu	Gln	Cys	Leu	Glu	
				50					55					60	
Glu	Glu	Leu	Lys	Pro	Leu	Glu	Glu	Val	Leu	Asn	Leu	Ala	Gln	Ser	
				65					70					75	
Lys	Asn	Phe	His	Leu	Arg	Pro	Arg	Asp	Leu	Ile	Ser	Asn	Ile	Asn	
				80					85					90	
Val	Ile	Val	Leu	Glu	Leu	Lys	Gly	Ser	Glu	Thr	Thr	Phe	Met	Cys	
				95					100					105	

Glu Tyr Ala Asp Glu Thr Ala Thr Ile Val Glu Phe Leu Asn Arg
 110 115 120
 Trp Ile Thr Phe Trp Gln Ser Ile Ile Ser Thr Leu Thr
 125 130

<210> 24
 <211> 218
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522128CD1

<400> 24
 Met Ala Arg Gly Ala Ala Leu Ala Leu Leu Leu Phe Gly Leu Leu
 1 5 10 15
 Gly Val Leu Val Ala Ala Pro Asp Gly Gly Phe Asp Leu Ser Asp
 20 25 30
 Ala Leu Pro Asp Asn Glu Asn Lys Lys Pro Thr Ala Ile Pro Lys
 35 40 45
 Lys Pro Ser Ala Gly Asp Asp Phe Asp Leu Gly Asp Ala Val Val
 50 55 60
 Asp Gly Glu Asn Asp Asp Pro Arg Pro Pro Asn Pro Pro Lys Pro
 65 70 75
 Met Pro Asn Pro Asn Pro Asn His Pro Ser Ser Ser Gly Ser Phe
 80 85 90
 Ser Asp Ala Asp Leu Ala Asp Gly Val Ser Gly Gly Glu Gly Lys
 95 100 105
 Gly Gly Ser Asp Gly Gly Gly Ser His Arg Lys Glu Gly Glu Glu
 110 115 120
 Ala Asp Ala Pro Gly Val Ile Pro Gly Ile Val Gly Ala Val Val
 125 130 135
 Val Ala Val Ala Gly Ala Ile Ser Ser Phe Ile Ala Tyr Gln Lys
 140 145 150
 Lys Lys Leu Cys Phe Lys Glu Asn Gly Gln Leu Ala Gly Ser Leu
 155 160 165
 Gly Pro Cys Ile Arg Ile Arg Arg Glu Ala Gly Asn Arg Thr Arg
 170 175 180
 Gly Gly Gly His Gly Glu Pro Pro Glu Cys Gln Arg Arg Ala Ser
 185 190 195
 Cys Ser Ala Tyr Ser Phe Arg Glu Ile Glu Asp Cys Arg Gln Lys
 200 205 210
 Gln Pro Arg Arg Trp Gln Gln Gly
 215

<210> 25
 <211> 346
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522158CD1

<400> 25
 Met Val Ile Ala Phe Trp Lys Val Phe Leu Ile Leu Ser Cys Leu
 1 5 10 15
 Ala Gly Gln Val Ser Val Val Gln Val Thr Ile Pro Asp Gly Phe
 20 25 30
 Val Asn Val Thr Val Gly Ser Asn Val Thr Leu Ile Cys Ile Tyr
 35 40 45
 Thr Thr Thr Val Ala Ser Arg Glu Gln Leu Ser Ile Gln Trp Ser

	50		55		60
Phe Phe His Lys	Lys Glu Met Glu Pro Ile Ser Ile Tyr Phe Ser				
	65		70		75
Gln Gly Gly Gln	Ala Val Ala Ile Gly Gln Phe Lys Asp Arg Ile				
	80		85		90
Thr Gly Ser Asn	Asp Pro Val Lys Pro Ser Lys Pro Leu Cys Ser				
	95		100		105
Val Gln Gly Arg	Pro Glu Thr Gly His Thr Ile Ser Leu Ser Cys				
	110		115		120
Leu Ser Ala Leu	Gly Thr Pro Ser Pro Val Tyr Tyr Trp His Lys				
	125		130		135
Leu Glu Gly Arg	Asp Ile Val Pro Val Lys Glu Asn Phe Asn Pro				
	140		145		150
Thr Thr Gly Ile	Leu Val Ile Gly Asn Leu Thr Asn Phe Glu Gln				
	155		160		165
Gly Tyr Tyr Gln	Cys Thr Ala Ile Asn Arg Leu Gly Asn Ser Ser				
	170		175		180
Cys Glu Ile Asp	Leu Thr Ser Ser His Pro Glu Val Gly Ile Ile				
	185		190		195
Val Gly Ala Leu	Ile Gly Ser Leu Val Gly Ala Ala Ile Ile Ile				
	200		205		210
Ser Val Val Cys	Phe Ala Arg Asn Lys Ala Lys Ala Lys Ala Lys				
	215		220		225
Glu Arg Asn Ser	Lys Thr Ile Ala Glu Leu Glu Pro Met Thr Lys				
	230		235		240
Ile Asn Pro Arg	Gly Glu Ser Glu Ala Met Pro Arg Glu Asp Ala				
	245		250		255
Thr Gln Leu Glu	Val Thr Leu Pro Ser Ser Ile His Glu Thr Gly				
	260		265		270
Pro Asp Thr Ile	Gln Glu Pro Asp Tyr Glu Pro Lys Pro Thr Gln				
	275		280		285
Glu Pro Ala Pro	Glu Pro Ala Pro Gly Ser Glu Pro Met Ala Val				
	290		295		300
Pro Asp Leu Asp	Ile Glu Leu Glu Leu Glu Pro Glu Thr Gln Ser				
	305		310		315
Glu Leu Glu Pro	Glu Pro Glu Pro Glu Pro Glu Ser Glu Pro Gly				
	320		325		330
Val Val Val Glu	Pro Leu Ser Glu Asp Glu Lys Gly Val Val Lys				
	335		340		345

Ala

<210> 26

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524191CD1

<400> 26

Met Leu Leu Trp	Leu Leu Leu Leu Ile Leu Thr Pro Gly Arg Glu				
1	5		10		15
Gln Ser Gly Val	Ala Pro Lys Ala Val Leu Leu Leu Asp Pro Pro				
	20		25		30
Trp Ser Thr Ala	Phe Lys Gly Glu Lys Val Ala Leu Ile Cys Ser				
	35		40		45
Ser Ile Ser His	Ser Leu Ala Gln Gly Asp Thr Tyr Trp Tyr His				
	50		55		60
Asp Glu Lys Leu	Leu Lys Ile Lys His Asp Lys Ile Gln Ile Thr				
	65		70		75
Glu Pro Gly Asn	Tyr Gln Cys Lys Thr Arg Gly Ser Ser Leu Ser				

	80		85		90									
Asp	Ala	Val	His	Val	Glu	Phe	Ser	Pro	Asp	Trp	Leu	Ile	Leu	Gln
	95				100				105					
Ala	Leu	His	Pro	Val	Phe	Glu	Gly	Asp	Asn	Val	Ile	Leu	Arg	Cys
	110				115				120					
Gln	Gly	Lys	Asp	Asn	Lys	Asn	Thr	His	Gln	Lys	Val	Tyr	Tyr	Lys
	125				130				135					
Asp	Gly	Lys	Gln	Leu	Pro	Asn	Ser	Tyr	Asn	Leu	Glu	Lys	Ile	Thr
	140				145				150					
Val	Asn	Ser	Val	Ser	Arg	Asp	Asn	Ser	Lys	Tyr	His	Cys	Thr	Ala
	155				160				165					
Tyr	Arg	Lys	Phe	Tyr	Ile	Leu	Asp	Ile	Glu	Val	Thr	Ser	Lys	Pro
	170				175				180					
Leu	Asn	Ile	Gln	Val	Gln	Glu	Ile	Ala	Arg	Pro	Ser	Asp	Trp	Ala
	185				190				195					
Gly	Ala	Gly	Pro	Pro	Asp	Ser	Arg	Ser	Leu	Pro	Cys	Gly	Leu	Lys
	200				205				210					
Thr	Gln	Gly	Leu	Thr	Gly	Val	Arg	Trp	Arg	Gln				
	215				220									

<210> 27

<211> 306

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525225CD1

<400> 27

Met	Leu	Phe	Leu	Leu	Leu	Pro	Leu	Leu	Ala	Val	Leu	Pro	Gly	Asp
1				5					10					15
Gly	Asn	Thr	Asp	Gly	Leu	Lys	Glu	Pro	Leu	Ser	Phe	His	Val	Thr
			20						25					30
Trp	Ile	Ala	Ser	Phe	Tyr	Asn	His	Ser	Trp	Lys	Gln	Asn	Leu	Val
			35						40					45
Ser	Gly	Trp	Leu	Ser	Asp	Leu	Gln	Thr	His	Thr	Trp	Asp	Ser	Asn
			50						55					60
Ser	Ser	Thr	Ile	Val	Phe	Leu	Cys	Pro	Trp	Ser	Arg	Gly	Asn	Phe
			65						70					75
Ser	Asn	Glu	Glu	Trp	Lys	Glu	Leu	Glu	Thr	Leu	Phe	Arg	Ile	Arg
			80						85					90
Thr	Ile	Arg	Ser	Phe	Glu	Gly	Ile	Arg	Arg	Tyr	Ala	His	Glu	Leu
			95						100					105
Gln	Phe	Glu	Tyr	Pro	Phe	Glu	Ile	Gln	Val	Thr	Gly	Gly	Cys	Glu
			110						115					120
Leu	His	Ser	Gly	Lys	Val	Ser	Gly	Ser	Phe	Leu	Gln	Leu	Ala	Tyr
			125						130					135
Gln	Gly	Ser	Asp	Phe	Val	Ser	Phe	Gln	Asn	Asn	Ser	Trp	Leu	Pro
			140						145					150
Tyr	Pro	Val	Ala	Gly	Asn	Met	Ala	Lys	His	Phe	Cys	Lys	Val	Leu
			155						160					165
Asn	Gln	Asn	Gln	His	Glu	Asn	Asp	Ile	Thr	His	Asn	Leu	Leu	Ser
			170						175					180
Asp	Thr	Cys	Pro	Arg	Phe	Ile	Leu	Gly	Leu	Leu	Asp	Ala	Gly	Lys
			185						190					195
Ala	His	Leu	Gln	Arg	Gln	Val	Lys	Pro	Glu	Ala	Trp	Leu	Ser	His
			200						205					210
Gly	Pro	Ser	Pro	Gly	Pro	Gly	His	Leu	Gln	Leu	Val	Cys	His	Val
			215						220					225
Ser	Gly	Phe	Tyr	Pro	Lys	Pro	Val	Trp	Val	Met	Trp	Met	Arg	Gly
			230						235					240
Glu	Gln	Glu	Gln	Gln	Gly	Thr	Gln	Arg	Gly	Asp	Ile	Leu	Pro	Ser

Ala Asp Gly Thr	245	Ala Thr Leu Glu Val Ala	250	Ala	255
	260	Val Lys His Ser Ser	265	Leu	270
Gly Glu Ala Ala	275	Gly Leu Ala Leu Trp	280	Leu	285
Glu Gly Gln Asp	290		295	Phe	300
Arg Lys Arg Cys	305				

<210> 28
 <211> 326
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513053CD1

<400> 28

Met Gly Val Pro Arg	Pro Gln Pro Trp	Ala Leu Gly Leu Leu Leu	
1	5	10	15
Phe Leu Leu Pro Gly	Ser Leu Gly Ala Glu	Ser His Leu Ser Leu	
	20	25	30
Leu Tyr His Leu Thr	Ala Val Ser Ser	Pro Ala Pro Gly Thr	Pro
	35	40	45
Ala Phe Trp Val Ser	Gly Trp Leu Gly	Pro Gln Gln Tyr Leu	Ser
	50	55	60
Tyr Asn Ser Leu Arg	Gly Glu Ala Glu	Pro Cys Gly Ala Trp	Val
	65	70	75
Trp Glu Asn Gln Val	Ser Trp Tyr Trp	Glu Lys Glu Thr Thr	Asp
	80	85	90
Leu Arg Ile Lys Glu	Lys Leu Phe Leu	Glu Ala Phe Lys Ala	Leu
	95	100	105
Gly Gly Lys Gly Pro	Tyr Thr Leu Gln	Gly Leu Leu Gly Cys	Glu
	110	115	120
Leu Gly Pro Asp Asn	Thr Ser Val Pro	Thr Ala Lys Phe Ala	Leu
	125	130	135
Asn Gly Glu Glu Phe	Met Asn Phe Asp	Leu Lys Gln Gly Thr	Trp
	140	145	150
Gly Gly Asp Trp Pro	Glu Ala Leu Ala	Ile Ser Gln Arg Trp	Gln
	155	160	165
Gln Gln Asp Lys Ala	Ala Asn Lys Glu	Leu Thr Phe Leu Leu	Phe
	170	175	180
Ser Cys Pro His Arg	Leu Arg Glu His	Leu Glu Arg Gly Arg	Gly
	185	190	195
Asn Leu Glu Trp Lys	Glu Pro Pro Ser	Met Arg Leu Lys Ala	Arg
	200	205	210
Pro Ser Ser Pro Gly	Phe Ser Val Leu	Thr Cys Ser Ala Phe	Ser
	215	220	225
Phe Tyr Pro Pro Glu	Leu Gln Leu Arg	Phe Leu Arg Asn Gly	Leu
	230	235	240
Ala Ala Gly Thr Gly	Gln Gly Asp Phe	Gly Pro Asn Ser Asp	Gly
	245	250	255
Ser Phe His Ala Ser	Ser Ser Ser Leu	Thr Val Lys Ser Gly	Asp
	260	265	270
His His Tyr Cys Cys	Ile Val Gln His	Ala Gly Leu Ala Gln	Pro
	275	280	285
Leu Arg Val Glu Leu	Ala Pro Trp Ile	Ser Leu Arg Gly Asp	Asp
	290	295	300
Thr Gly Val Leu Leu	Pro Thr Pro Gly	Glu Ala Gln Asp Ala	Asp
	305	310	315
Leu Lys Asp Val Asn	Val Ile Pro Ala	Thr Ala	

320

325

<210> 29
 <211> 158
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513086CD1

<400> 29
 Met Gly Cys Leu Leu Phe Leu Leu Leu Trp Ala Leu Leu Gln Ala
 1 5 10 15
 Trp Gly Ser Ala Glu Val Pro Gln Arg Leu Phe Pro Leu Arg Cys
 20 25 30
 Leu Gln Ile Ser Ser Phe Ala Asn Ser Ser Trp Thr Arg Thr Asp
 35 40 45
 Gly Leu Ala Trp Leu Gly Glu Leu Gln Thr His Ser Trp Ser Asn
 50 55 60
 Asp Ser Asp Thr Val Arg Ser Leu Lys Pro Trp Ser Gln Gly Thr
 65 70 75
 Phe Ser Asp Gln Gln Trp Glu Thr Leu Gln His Ile Phe Arg Val
 80 85 90
 Tyr Arg Ser Ser Phe Thr Arg Asp Val Lys Glu Phe Ala Lys Met
 95 100 105
 Leu Arg Leu Ser Tyr Pro Leu Glu Leu Gln Val Ser Ala Gly Cys
 110 115 120
 Glu Val His Pro Gly Asn Ala Ser Asn Phe Phe His Val Ala
 125 130 135
 Phe Gln Gly Lys Asp Ile Leu Ser Phe Gln Gly Thr Ser Trp Glu
 140 145 150
 Pro Thr Gln Glu Ala Pro Leu Trp
 155

<210> 30
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513557CD1

<400> 30
 Met Gly Pro Pro Ser Ala Ala Pro Arg Gly Gly His Arg Pro Trp
 1 5 10 15
 Gln Gly Leu Leu Ile Thr Glu Asn Asn Val Pro Gly Leu Pro Val
 20 25 30
 Gly Ala Val Ala Gly Ile Val Thr Gly Val Leu Val Gly Val Ala
 35 40 45
 Leu Val Ala Ala Leu Val Tyr Phe Leu Leu Leu Ser Arg Thr Gly
 50 55 60
 Arg Ala Ser Ile Gln Arg Asp Leu Arg Glu Gln Pro Pro Pro Ala
 65 70 75
 Ser Thr Pro Gly His Gly Pro Ser His Arg Ser Thr Phe Ser Ala
 80 85 90
 Pro Leu Pro Ser Pro Arg Thr Ala Thr Pro Ile Tyr Glu Glu Leu
 95 100 105
 Leu Tyr Ser Asp Ala Asn Ile Tyr Cys Gln Ile Asp His Lys Ala
 110 115 120
 Asp Val Val Ser

<210> 31
 <211> 247
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513718CD1

<400> 31
 Met His Leu Leu Ala Ile Leu Phe Cys Ala Leu Trp Ser Ala Val
 1 5 10 15
 Leu Ala Glu Asn Ser Asp Asp Tyr Asp Leu Met Tyr Val Asn Leu
 20 25 30
 Asp Asn Glu Ile Asp Asn Gly Leu His Pro Thr Glu Asp Arg Cys
 35 40 45
 Glu Thr Ala Ile Leu Phe Pro Met Arg Ser Lys Lys Ile Phe Gly
 50 55 60
 Ser Val His Pro Val Arg Pro Met Arg Leu Glu Ser Phe Ser Ala
 65 70 75
 Cys Ile Trp Val Lys Ala Thr Asp Val Leu Asn Lys Thr Ile Leu
 80 85 90
 Phe Ser Tyr Gly Thr Lys Arg Asn Pro Tyr Glu Ile Gln Leu Tyr
 95 100 105
 Leu Ser Tyr Gln Ser Ile Val Phe Val Val Gly Gly Glu Glu Asn
 110 115 120
 Lys Leu Val Ala Glu Ala Met Val Ser Leu Gly Arg Trp Thr His
 125 130 135
 Leu Cys Gly Thr Trp Asn Ser Glu Glu Gly Leu Thr Ser Leu Trp
 140 145 150
 Val Asn Gly Glu Leu Ala Ala Thr Thr Val Glu Met Ala Thr Gly
 155 160 165
 His Ile Val Pro Glu Gly Gly Ile Leu Gln Ile Gly Gln Glu Lys
 170 175 180
 Asn Gly Cys Cys Val Gly Gly Gly Phe Asp Glu Thr Leu Ala Phe
 185 190 195
 Ser Gly Arg Leu Thr Gly Phe Asn Ile Trp Asp Ser Val Leu Ser
 200 205 210
 Asn Glu Glu Ile Arg Glu Thr Gly Gly Ala Glu Ser Cys His Ile
 215 220 225
 Arg Gly Asn Ile Val Gly Trp Gly Val Thr Glu Ile Gln Pro His
 230 235 240
 Gly Gly Ala Gln Tyr Val Ser
 245

<210> 32
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514003CD1

<400> 32
 Met Leu Trp Arg Gln Leu Ile Tyr Trp Gln Leu Leu Ala Leu Phe
 1 5 10 15
 Phe Leu Pro Phe Cys Leu Cys Gln Asp Glu Tyr Met Glu Ser Pro
 20 25 30
 Gln Thr Gly Gly Leu Pro Pro Asp Cys Ser Lys Cys Cys His Gly
 35 40 45
 Asp Tyr Ser Phe Arg Gly Tyr Gln Gly Pro Pro Gly Pro Pro Gly
 50 55 60

Pro	Pro	Gly	Ile	Pro	Gly	Asn	His	Gly	Asn	Asn	Gly	Asn	Asn	Gly
				65					70					75
Ala	Thr	Gly	His	Glu	Gly	Ala	Lys	Asp	Cys	Ile	His	Gly	Phe	Ser
				80					85					90
Gly	Asn	Pro	Leu	Gln	Gln	Ser	Glu	Gln	Trp	Asp	Tyr	Leu	Gln	Gln
				95					100					105

Cys

<210> 33
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522043CB1

<400> 33
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 tcacaggggtc agcagcctct ggacccgtga aagagctgggt cggttccgtt ggtggggccg 120
 tgactttccc cctgaagtcc aaagtaaagc aagttgactc tattgtctgg accttcaaca 180
 caacccctct tgtcaccata cagccagaag ggggcactat catagtgacc caaaatcgta 240
 atagggagag agtagacttc ccagatggag gctactccct gaagctcagc aaactgaaga 300
 agaatgactc agggatctac tatgtgggga tatacagctc atcactccag cagccctcca 360
 cccaggagta cgtgctgcat gtctacgagc acctgtcaaa gcctaaagtc accatgggtc 420
 tgcagagcaa taagaatggc acctgtgtga ccaatctgac atgctgcatg gaacatgggg 480
 aagaggatgt gatattatacc tggaaggccc tggggcaagc agccaatgag tcccataatg 540
 ggtccatcct ccccatctcc tggagatggg gagaaagtga tatgacctc atctgcgttg 600
 ccaggaaccc tgtcagcaga aacttctcaa gccccatcct tgccaggaag ctctgtgaag 660
 agaacaatcc taaaggaaga tccagcaaat acggtttact ccactgtgga aataccgaaa 720
 aagatggaaa atccccactc actgctcacg atgccagaca caccaaggct atttgcctat 780
 gagaatgtta tctagacagc agtgcactcc ccta 814

<210> 34
 <211> 1402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523539CB1

<400> 34
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 ccataggcac cgccgtgaca gcggccgtca accctggcgt cgtggtcagg atctcccaga 180
 agggcctgga ctacgccagc cagcagggga cggccgctct gcagaaggag ctgaagagga 240
 tcaagattcc tgactactca gacagcttta agatcaagca tcttggggaag gggcattata 300
 gcttctacag catggacatc cgtgaattcc agcttcccag ttcccagata agcatgggtc 360
 ccaatgtggg ccttaagttc tccatcagca acgccaatat caagatcagc gggaaatgga 420
 aggcacaaaa gagattcttg tggctgatcc aactcttcca caaaaaaatt gactctgcgc 480
 ttcgaaaacaa gatgaacagc caggtctgcg agaaagtgc caattctgta tctccaagc 540
 tgcaacctta tttccagact ctgccagtaa tgacaaaaat agattctgtg gctggaatca 600
 actatggctc ggtggcacct ccagcaacca cggctgagac cctggatgta cagatgaagg 660
 gggagtttta cagtgagaac caccacaatc cacctccctt tgctccacca gtgatggagt 720
 ttcccgtgct ccatgaccgc atgggtatacc tgggcctctc agactacttc ttcaacacag 780
 ccgggcttgt ataccaagag gctggggctc tgaagatgac ccttagagat gacatgattc 840
 caaaggagtc caaatttcga ctgacaacca agttcttttg aaccttccta cctgaggtgg 900
 ccaagaagtt tcccaacatg aagatacaga tccatgtctc agcctccacc ccgccacacc 960
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 tggagggtcag cgccgagtc aacaggcttg ttggagagct caagctggat aggtctgtcc 1140

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tggaactgaa gcaactcaaatt attggccccc tccccggttga attgctgcag gatatcatga 1200
actacattgt acccattctt gtgctgcccc ggggttaacga gaaactacag aaaggcttcc 1260
ctctcccgac gccggccaga gtccagctct acaacgtagt gcttcagcct caccagaact 1320
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cagccacacc tgttcctgat ga

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<210> 35
<211> 1863
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523587CB1

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<400> 35
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cacgtgaaat tccagtcag caactttgaa aacatcctga cgtgggacag cgggcccagg 180
ggcacccccag acacggtcta cagcatcgag tataagacgt acggagagag ggactgggtg 240
gcaaagaagg gctgtcagcg gatcaccgg aagtcctgca acctgacggt ggagacgggc 300
aacctcacgg agctctacta tgccagggtc accgctgtca gtgcgggagg ccggtcagcc 360
accaagatga ctgacagggt cagctctctg cagcacagaa gaagaccac agcattcatc 420
acatttctcaa aggagtctgt aaaccagcaa agctaccctc aagccacctg atgtgacctg 480
tatctccaaa gtgagatcga ttcagatgat tgttcatect acccccacgc ccatccgtgc 540
aggcgatggc caccggctaa ccctggaaga catcttccat gacctgttct accacttaga 600
gctccagggtc aaccgcacct accaaatgca ccttggaggg aagcagagag aatatgagtt 660
cttcggcctg acccctgaca cagagttcct tggcaccatc atgatttgcg ttcccacctg 720
ggccaaggag agtgccccct acatgtgccg agtgaagaca ctgccagacc ggacatggac 780
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cctcagcggc cccagcagtc tggcccagcc tgtccagtac tcccagatca ggggtgtctgg 1020
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gcagccagac atctccatcc tccagccctc caacgtgcca cctccccaga tcctctcccc 1140
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gacccccgaa gctcaattcc cattctacgc cccacaggcc atctctaagg tccagccttc 1260
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accacagtac ctaaagggcc agctccccct cctctcctca gtccagatcg agggccaccc 1620
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tgagacctca gacctggagc agcccacaga actggattct cttttcagag gcctggccct 1800
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cca

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<210> 36
<211> 1451
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7523622CB1

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<400> 36
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ataggcaccg ccgtgacagc ggccgtcaac cctggcgtcg tggtcaggat ctcccagaag 180
ggcctggact acgccagcca gcaggggacg gccgctctgc agaaggagct gaagaggatc 240

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aagattcctg actactcaga cagctttaag atcaagcatc ttgggaaggg gcattatagc 300
ttctacagca tggacatccg tgaattccag cttcccagtt cccagataag catggtgccc 360
aatgtggggc ttaagttctc catcagcaac gccaatatca agatcagcgg gaaatggaag 420
gcacaaaaga gattcttaaa aatgagcggc aattttgacc tgagcataga aggcattgtc 480
atttcggctg atctgaagct gggcagtaac cccacgtcag gcaagccac catcacctgc 540
tccagctgca gcagccacat caacagtgtc cacgtgcaca tctcaaagag caaagtgggg 600
tggctgatcc aactcttcca caaaaaaatt gagtctgcgc ttcgaaacaa gatgaacagc 660
caggtctgcg aggaagtgc caattctgta tcctccgagc tgcaacctta tttccagact 720
ctgccagtaa tgacaaaaat agattctgtg gctggaatca actatggtct ggtggcacct 780
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atggtatacc tgggcctctc agactacttc ttcaacacag ccgggcttgt ataccaagag 960
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cccattcttg tgctgccag ggttaacgag aaactacaga aaggcttccc tctcccgctg 1320
ccggccagag tccagctcta caacgtatg cttcagcctc accagaactt cctgctgttc 1380
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gttctctgatg a
1451

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<210> 37

<211> 1685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523711CB1

<400> 37

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gcacgtgaaa ttccagtcca gcaactttga aaacatcctg acgtgggaca gcgggccaga 180
gggcacccca gacacgggtc acagcatcga gtataagacg aagaagacc acagcattca 240
tcacattctc aaaggagtct gtaaacccag aaagctaccc tcaagccacc tgatgtgacc 300
tgtatctcca aagtgagatc gattcagatg attgttcac ctacccccac gccaatccgt 360
gcaggcgatg gccaccggct aaccctggaa gacatcttcc atgacctgt ctaccactta 420
gagctccagg tcaaccgcac ctaccaaattg caccttggag ggaagcagag agaatatgag 480
ttcttcggcc tgacccctga cacagagttc cttggcacca tcatgatttg cgttcccacc 540
tgggccaagg agagtgcctc ctacatgtgc cgagtgaaga cactgccaga ccggacatgg 600
acctactcct tctccggagc cttcctgttc tccatgggct tcctcgctgc agtactctgc 660
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cgagtcctga ctttccagcc gctgcgcttc atccaggagc acgtcctgat ccctgtcttt 780
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cctcctatgc ccctcaagcc actccggaca gctggcctcc ctccatggg gtatgcatgg 1140
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tacca
1685

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<210> 38

<211> 1835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523729CB1

<400> 38
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 gacttgaact gctcgtggga gcctcttggg gacctgggag cccctccga gttacacctc 240
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 ggatgacccc ctggaggcca ctgtccattg ggccccacct acatggccat ctcataaagt 360
 tctgatctgc cagttccact accgaagatg tcaggaggcg gcctggaccc tgctggaacc 420
 ggagctgaag accatacccc tgaccctgt tgagatccaa gatttgagc tagccactgg 480
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 cccatttttg tccttccaga caccgccttc tgctccaaaa gatgtgtggg tatcaggggga 600
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 tgtgcaggtg agctacaaag tctggttctg ggttgagggt cgtgagctga gtccagaagg 720
 aattacctgc tgctgctccc taattcccag tggggcggag tgggccaggg tgtccgctgt 780
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 gcaaccgggg cctggggaac cactggagca tgtagtggac tgggctcgag atggggaccc 960
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 gaatttctact gtcgggtcc cctatcgaat cactgtgacc gcagtctctg cttcaggctt 1080
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 aaggcaccag cttcgaggcc acctcaccca ctacaccttg tgtgcacaga gtggaaccag 1260
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 gtgtaccac ctaaggcaca aagtgtgtcc ccgctgggtc tgggagaaag ttcctgatcc 1560
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<210> 39
 <211> 1495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523763CB1

<400> 39
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 aggtcagac ccgtgtctt gcttcaccca gtatgaagaa tcctccggca agtgcaagg 180
 cctcctgggg ggtgggtgtc gcgtgggaaga ctgtgtctc aacactgcct ttgcctacca 240
 gaaacgtagt ggtgggtctc gtcagccttg cagtccttac ctttgcttac tgcggacctg 300
 gtgttggcca tgccagcctt ccaatggtaa ctccagatgc ctgattgtga aggtccccac 360
 gatgggtccct gtggtccaca tgggccccct gttcgggtgac gtgctctgag ggctcccagc 420
 tgccgtaccg gcgctgtgtg ggctggaatg ggcagtgtc tggaaagggt gcacctggga 480
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 ggtctggctg ggggccctgg gaggcttgc ctgtcacctg ctccaaaggg acccgaccc 600
 gcaggcgagc ctgtaatcac cctgtctcca agtgtggggg ccactgcccc ggacaggcac 660
 aggaatcaga ggcctgtgac acccagcagg tctgccccac acacggggcc tgggcccact 720

```

ggggccctgg accccctgct cagcctcctg ccacgggtgga cccacgaac ctaaggagac 780
acgaagccgc aagtgttctg cacctgagcc ctcccagaaa cctcctggga agccctgccc 840
ggggctagcc tacgagcagc ggaggtgcac cgccctgcca ccctgcccag accatggaac 900
aacggacgtg caatcaccct gtgccccagc atggggggccc cttctgtgct ggcgatgcca 960
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tcgaaggtca gggcgagaag aacgtgacct tctgggggag accgctgcca cggtgtgagg 1380
agctacaagg gcagaagctg gtggtggagg agaaacgacc atgtctacac gtgcctgctt 1440
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<210> 40
 <211> 1313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523006CB1

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<400> 40
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gccacaggct cagacccccgt gctctgcttc acccagtatg aagaatcctc cggcaagtgc 180
aagggcctcc tgggggggtgg tgtcagcgtg gaagactgct gtctcaacac tgcctttgcc 240
taccagaaac gtagtggtgg gctctgtcag ccttgacagg cccacgatg gtccctgtgg 300
tccacatggg cccccgttgc ggtgacgtgc tctgagggtc ccagctgctg gtaccggcgc 360
tgtgtgggct ggaatgggca gtgctctgga aaggtggcac ctggggaccct ggagtggcag 420
ctccaggcct gtgaggacca gcagtgtgtt cctgagatgg gcggctggtc tggctggggg 480
ccctgggagc cttgctctgt cacctgtctc aaagggaccc ggacccgcag gcgagcctgt 540
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tgtgacaccc agcaggctct cccacacac ggggcctggg ccacctgggg cccctggacc 660
ccctgctcag cctcctgcca cggtggaccc cacgaacctc aggagacacg aagccgcaag 720
tgttctgcac ctgagccctc ccagaaacct cctgggaagc cctgcccggg gctagcctac 780
gagcagcgga ggtgcaccgg cctgccaccc tgcccagtggt atggggagtg ggactcgtgg 840
ggggagtgga gcccctgtat ccgacggaac atgaagtcca tcagctgtca agaaatcccg 900
ggccagcagt cacgcgggag gacctgcagg ggccgcaagt ttgacggaca tcgatgtgcc 960
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gcccgcagc gcctctgcac acccttgtct cccaagtacc cgcccaccgt ttccatgggtc 1140
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ctacaagggc agaagctggt ggtggaggag aaacgaccat gtctacacgt gcctgcttgc 1260
aaagagcctg aggaagagga actctaacac ttctctcctc cactctgagc cca 1313

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<210> 41
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523261CB1

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<400> 41
ctgggcactc gcgcagaggg cggccccgac agccatggtt gctgggagcg acgcggggcg 60
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ttcccaacaa atatatgggt ttgtgtatgg aaatgtaact ttccatgtac caagcaatgt 180
gcttttaaaa gaggtcctat ggaaaaaaca aaaggataaa gttgcagaac tggaaaattc 240
tgaattcaga gctttctcat ctttttaaaa tagggtttat ttagacactg tgtcaggtag 300
cctcactatc tacaacttaa catcatcaga tgaagatgag tatgaaatgg aatcgccaaa 360

```

```

tattactgat accatgaagt tctttcttta tgtgcttgag tctcttccat ctcccacact 420
aacttgtagc ttgactaatg gaagcattga agtccaatgc atgataccag agcattacaa 480
cagccatcga ggacttataa tgtactcatg ggattgtcct atggagcaat gtaaacgtca 540
ttcaagacac agatatgcac ttatacccat accattagca gtaattacaa catgtattgt 600
gctgtatatg aatgggtattc tgaaatgtga cagaaaacca gacagaacca actccaattg 660
attggtaaca gaagatgaag acaacagcat a 691

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<210> 42

<211> 954

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523277CB1

<400> 42

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tacatgaggt tcacattccc tctcatggct atagtectgg aaattgccat gattgtttta 60
tttggattat ttgttgagta tgaaacggac cagactgttc tcgagcagct caacatcacc 120
aagccaacag acatgggcat gttcttttag ttatatcttc gcctctgaca ttggagcatc 180
aatgacgatc catgcctttg gggcctactt tggcttggct gtagcaggca tcttgtatcg 240
atctggactg agaaaggggc atgaaaatga agagtccgca tactactcag acttgtttgc 300
aatgattggg actctctttc tgtggatgtt ttggcccagc tttaactcgg ccattgctga 360
acctggagac aaacagtgc aacacgttac aaacacgtac ttctctctcg ctgcctgtgt 420
gctcacagcc tttgccttct ccagcctagt ggagcaccga ggcaagctca acatggttca 480
cattcagaat gccacccttg ctggaggagt tgctgtgggc acttgtgcgg atatggcaat 540
tcacccattt ggttctatga ttattgggag cattgcagga atgggtctctg tgcttggata 600
caagttcctg actccacttt ttactactaa actgaggatc catgatacat gtgggggtcca 660
taacctccac ggcttacctg gtgtagtggg aggccttgca ggcattgtgg cagtagcaat 720
gggcgcctcc aacacgtcta tggccatgca ggcagctgca ctgggttcct ctatcggaac 780
agcagttggt ggagggtctga tgacagggtt aattctaaag ttgcctctct ggggacagcc 840
atctgaccag aactgctatg atgattctgt ttattggaag gtccctaaga cgagataact 900
tgacaatcag ttccatggac atggtgacca cagccagctg gaacctgaag tcta 954

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<210> 43

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523279CB1

<400> 43

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tagccatggc ttgccttga tttcagcggc acaaggctca gctgaacctg gctaccagga 60
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acgtggccca gcctgctgtg gtactggcca gcagccgagg catcgccagc tttgtgtgtg 180
agtatgcatc tccaggcaaa gccactgagg tccgggtgac agtgcttcgg caggctgaca 240
gccagggtgac tgaagtctgt gcggcaacct acatgatggg gaatgagttg accttcttag 300
atgattccat ctgcacgggc acctccagt gaaatcaagt gaacctcact atccaaggac 360
tgagggccat ggacacggga ctctacatct gcaagggtgga gctcatgtac ccaccgccat 420
actacctggg cataggcaac ggaaccaga tttatgtaat tgctaaagaa aagaagccct 480
cttacaacag ggtctatgt gaaaatgcc ccaacagagc cagaatgtga aaagcaattt 540
cagccttatt ttattcccat caattgagaa accattatga agaagagagt a 591

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<210> 44

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523296CB1

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<400> 44
tatggacacc accaggtaca gcaagtgggg cggcagctcc gaggaggtcc ccggagggcc 60
ctggggacgc tgggtgcact ggagcaggag acccctcttc ttggccctgg ctgtcctggt 120
caccacagtc ctttgggctg tgattctgag taccctattg tccaagggct cggggacgca 180
ggcgagctg cagaccacgc gcgcggagct tggggaggcg caggcgaagc tgatggagca 240
ggagagcgcc ctgcgggaac tgcgtgagcg cgtgaccag ggcttggctg aagccggcag 300
gggcccgtgag gacgtccgca ctgagctgtt ccgggcgctg gaggccgtga ggctccagaa 360
caactcctgc gagccgtgcc ccacgtcgtg gctgtccttc gagggtcctt gctacttttt 420
ctctgtgcca aagacgacgt gggcggcggc gcaggatcac tgcgcagatg ccagcgcgca 480
cctgggtgatc gttggggggcc tggatgagca gggcttcctc actcggaaca cgcgtggccg 540
tggttactgg ctgggcctga gggctgtgcg ccactctgggc aaggttcagg gctaccagtg 600
ggtggagcga gtctctctca gcttcagcca ctggaaccag ggagagccca atgacgcttg 660
ggggcgcgag aactgtgtca tgatgctgca caggggctg tggaaacgacg caccgtgtga 720
cagcgagaag gacggctgga tctgtgagaa aaggcacaac tgctga 766

```

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<210> 45
<211> 1091
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7521779CB1

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<400> 45
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atcggatgct tatatacctt tctgataagc acaacatttg gctgtacttc atcttcagac 120
accgagataa aagttaaccc tcctcaggat tttgagatag tggatcccgg atacttaggt 180
tatctctatt tgcaatggca acccccactg tctctggatc attttaagga atgcacagtg 240
gaatatgaac taaaataccg aaacattggt agtgaaacat ggaagaccat cactactaag 300
aatctacatt acaaagatgg gtttgatctt aacaagggca ttgaagcgaa gatacacacg 360
cttttaccat ggcaatgcac aaatggatca gaagttcaaa gttcctgggc agaaactact 420
tattggatat caccacaagg aattccagaa actaaagttc aggatatgga ttgcgtatat 480
tacaattggc aatattttact ctgttcttgg aaacctggca taggtgtact tcttgatacc 540
aattacaact tgttttactg gtatgagggc ttggatcatg cattacagtg tgttgattac 600
atcaaggctg atggacaaaa tataggatgc agatttccct atttggaggc atcagactat 660
aaagattttc atatttgtgt taatggatca tcagagaaca agcctatcag atccagttat 720
ttcacttttc agcttcaaaa tatagttaaa cctttgccgc cagtctatct tacttttact 780
cgggagagtt catgtgaaat taagctgaaa tggagcatac ctttgggacc tattccagca 840
aggtgttttg attatgaaat tgagatcaga gaagatgata ctaccttggg ggtgaagacc 900
tatcgaagaa aacttttgcta cgtttctggc taccatttgg tttcatctta atattagtta 960
tatttgtaac cggctcgtct ttgcgtaagc caaacaccta ccaaaaaatg attccagaat 1020
ttttctgtga tacatgaaga ctttccatat caagagacat ggtattgact caacagtttc 1080
cagtcattggc a 1091

```

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<210> 46
<211> 703
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7521826CB1

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<400> 46
tagcctttca aacagtttcc agagatggat taccctactt tacttttggc tcttcttcat 60
gtatacagag atagttttga ggcagctgtg ccatcaaata gccacattgt ttccgaacct 120
ggaaagaatg tcacactcac ttgtcagcct cagatgacgt ggcctgtgca ggcagtgagg 180
tgggaaaaga tccagccccg tcagatcgac ctcttaactt actgcaactt ggtccatggc 240
agaaatttca cctccaagtt cccaagacaa atagttagca actgcagcca cggaaggttg 300
agcgtcatcg tcatccccga tgtcacagtc tcagactcgg ggctttaccg ctgctacttg 360
caggccagcg caggagaaaa cgaaaccttc gtgatgagat tgactgtagc cgagggtaaa 420
accgataacc aatataccct ctttgtggct ggagggacag ttttattggt gttgtttggt 480

```

```

atctcaatta ccaccatcat tgtcattttt cttaacagaa ggagaaggag agagagaaga 540
gatctattta cagagtcctg ggatacacag aaggcaccca ataactatag aagtcccac 600
tctaccggtc aacctaccaa tcaatccatg gatgatacaa gagaggatat ttatgtcaac 660
tatccaacct tctctcgcag accaaagact agagtttaag cta 703

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<210> 47
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521901CB1

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<400> 47
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tcacagggtc agcagcctct ggacccgtga aggagctggg cggttccgtt ggtggggccg 120
tgactttccc cctgaagtcc aaagtaaagc aagttgactc tattgtctgg accttcaaca 180
caaccctctc tgtcaccata cagccagaag ggggcactat catagtacc caaaatcgta 240
atagggagag agtagacttc ccagatggag gctactccct gaagctcagc aaactgaaga 300
agaatgactc agggatctac tatgtgggga tatacagctc atcactccag cagccctcca 360
cccaggagta cgtgctgcat gtctacgaga acaatcctaa aggaagatcc agcaagtacg 420
gtttactcca ctgtggaaat accgaaaaag atggaaaatc cccactcact gctcacgatg 480
ccagacacac caaggctatt tgcctatgag aatgttatct agacagcagt gcactcccct 540
a 541

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<210> 48
 <211> 713
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522003CB1

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<400> 48
tcaaatacac aacatgatct tcctcctgct aatgttgagc ctggaattgc agcttcgcca 60
gatagcagct ttattcacag tgacagtccc taagggaactg tacataatag agcatggcag 120
caatgtgacc ctggaatgca actttgacac tgggaagtcac gtgaaccttg gagcaataac 180
agccagtttg caaaagggtg aaaatgatac atccccacac cgtgaaagag ccactttgct 240
ggaggagcag ctgcccctag ggaaggcctc gttccacata cctcaagtcc aagtgaggga 300
cgaaggacag taccaatgca taatcatcta tggggctcgcc tgggactaca agtacctgac 360
tctgaaagtc aaagcttcct acaggaaaat aaacactcac atcctaaagg ttccagaaac 420
agatgaggta gagctcacct gccaggctac aggttatcct ctggcagaag tatcctggcc 480
aaacgtcagc gttcctgcca acaccagcca ctccaggacc cctgaaggcc tctaccaggt 540
caccagtgtt ctgcgccctaa agccaccccc tggcagaaac ttcagctgtg tgttctggaa 600
tactcacgtg agggaaacta ctttggccag cattgacctt caaaacacaa caaaaagacc 660
tgtcaccaca acaaagaggg aagtgaacag tgctatctga acctgtggtc tta 713

```

<210> 49
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522014CB1

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<400> 49
tcagtttctc tccttccttc tcggcagcgc tccgcgcccc catcgcccct cctgcgctag 60
cggagggtgat cgccgcggcg atgcgggagg aggggttcggg ctgctcggtg cggcgagggc 120
cctatgggtg cgtcctgcgg gctgctttgg tcccattggg cgcgggcttg gtgatctgcc 180
tcgtggtgtg catccagcgc ttgcacagag ctccagcagca gctgccgctc gagtacttg 240

```

```

gggacctcag caggacccca ggctatactg gcaggggggc ccagcactgg gccgctcctt 300
cctgcatgga ccagagctgg acaaggggca gctacgtatc catcgtgatg gcatctacat 360
ggtacacatc caggtgacgc tggccatctg ctccctccacg acggcctcca ggcaccaccc 420
caccaccctg gccgtgggaa tctgctctcc cgctctccgt agcatcagcc tgctgcgtct 480
cagcttccac caaggttgta ccattgcctc ccagcgctg acgcccctgg cccgagggga 540
cacactctgc accaacctca ctggggacact tttgccttcc cgaaacactg atgagacctt 600
ctttggagtg cagtgggtgc gcccctgacc actgctgctg attaggga 648

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<210> 50

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522038CB1

<400> 50

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atgtctccac acctcactgc tctcctgggc ctagtgtctt gcctggccca gaccatccac 60
acgcaggagg aagatctgcc cagaccctcc atctcggtg agccaggcac cgtgatcccc 120
ctggggagcc atgtgacttt cgtgtgccgg ggcccgggtg gggttcaaac attccgcctg 180
gagagggaga gtagatccac atacaatgat actgaagatg tgtctcaagc tagtccatct 240
gagtcagagg ccagattccg cattgactca aaacctctgg agggccggac tccccggaca 300
cagagcccgg ctctcagct gggactgtgc caggcactga agcctccgga tttgatgcac 360
catgaatgag gagaaata 378

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<210> 51

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523429CB1

<400> 51

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taacctcagc tgcaacatga gctccgcagc cagggtcccgc ctcacccgcg ccacccgccca 60
ggagatgctg ttcttggcgt tgctgtctct gccagttgtg gtgcgcttcg ccagaggtga 120
gagcagaaac caggctggga gggccagcag cggcgagggg gagtccggga agccctgggg 180
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tgccgggtaca gtgccaggca ctgcacgtgc acctcgccac ctgatcagca caacctctgt 300
ctgagagagg tctgatttac ggctaaggaa aagaaagctg aaggtagtgg aaaagggtccc 360
taaagtatct ctggctactc agggagtcac aactccacc cctcctcctc tcttactccc 420
tccctttccc cctcagctga agctgaagaa gatggggacc tgcagtgcct gtgtgtgaag 480
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cactgccccca ctgcccact catagccacg ctgaagaatg ggaggaaaat ttgcttggat 600
ctgcaagccc tgctgtacaa gaaaatcatt aaggaacatt tggagagtta gctactagct 660
gcctagtgtg cactta 676

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<210> 52

<211> 2481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523941CB1

<400> 52

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tacctccgcc tctgtctccc gacccggcca tgcgcggcct cgggctctgg ctgctgggcg 60
cgatgatgct gcctgcgatt gccccagcc ggccctgggc cctcatggag cagtatgagg 120
tcgtgttgcc gggcgctctg ccaggccccc gagtccgcgc agctctgccc tcccacttgg 180
gcctgcgccc agagaggggtg agctacgtcc ttggggccac agggcacaac ttcaccctcc 240

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```

acctgcgga  gaacagggac  ctgctgggtt  cgggctacac  agagacctat  acggctgcca  300
atggctccga  ggtgacggag  cagcctcgcg  ggcaggacca  ctgcttctac  cagggccacg  360
tagaggggta  cccggactca  gccgccagcc  tcagcacctg  tgccggcctc  aggtggcgag  420
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 <213> Homo sapiens

<220>
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<212> DNA

<213> Homo sapiens

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<212> DNA

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<213> Homo sapiens

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<223> Incyte ID No: 7513718CB1

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<213> Homo sapiens

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<223> Incyte ID No: 7514003CB1

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